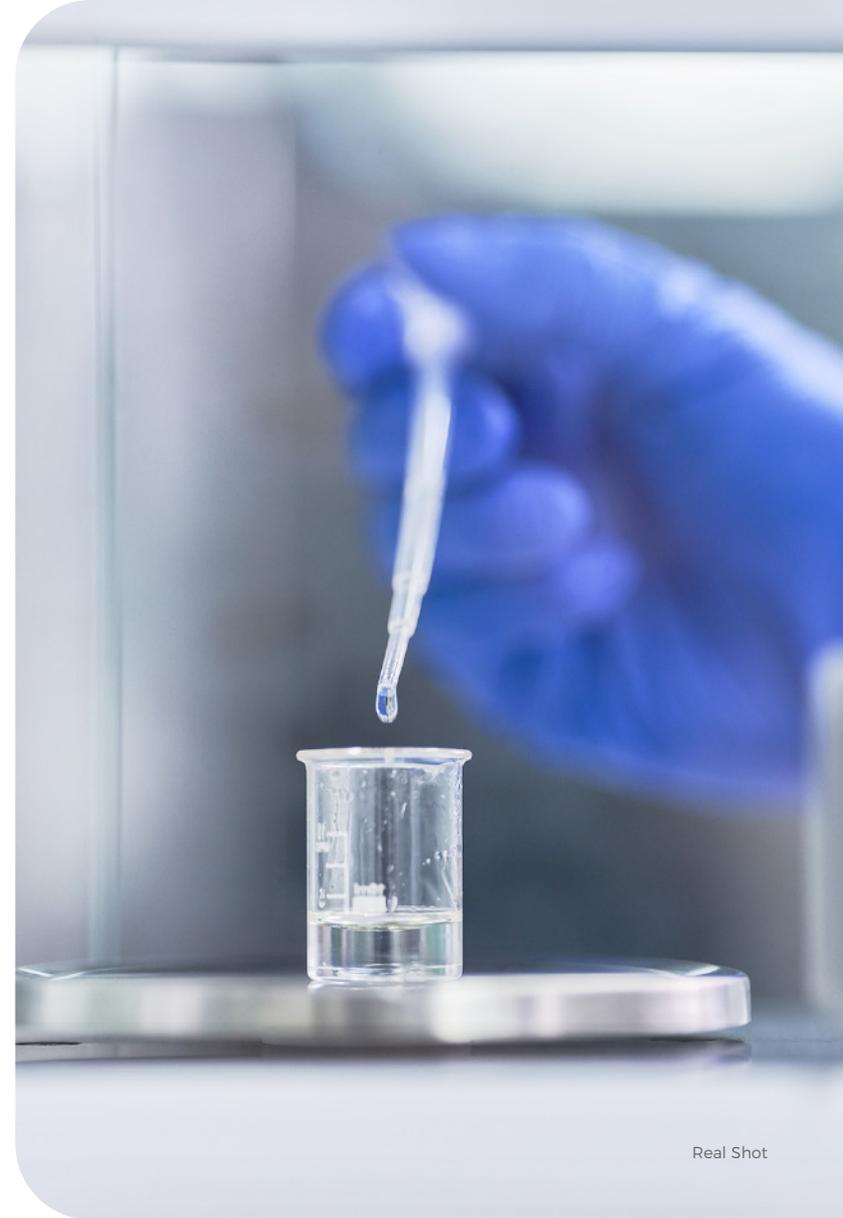


3.2 Green Production

Environment pollution
or violation incident

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RELX is committed to building an eco-friendly enterprise. In addition to continuously strengthening energy and resource management measures, we strictly control pollutant discharge to further mitigate the negative impact brought by our operations. We also regularly organize training and events on environmental protection to continuously improve employees' green operation awareness and professional capabilities.



Real Shot



Waste Gas, Waste Water, and Solid Waste Management

We strictly abide by the Environmental Protection Law of the People's Republic of China and the emission standards in the location where we operate. We continue to improve our environmental management system and introduce advanced technology to optimize waste gas, wastewater, and solid waste management. In the RELX Environmental Policy, we pledge to dispose of waste gas, wastewater appropriately, and solid waste generated in business activities and minimize the impact on the ecological environment.

Waste Water Management



We abide by the Water Pollution Prevention and Control Law of the People's Republic of China, actively respond to the Development Plan for Urban Sewage Treatment and Resource Utilization in the 14th Five-Year Plan Period issued by the National Development and Reform Commission. We take rigorous water pollution control measures following regulations. For example, we have established wastewater pollution control facilities in our self-owned factories following relevant design specifications. These facilities collect wastewater from production equipment and experiment apparatus cleaning from the factories, effectively removing harmful substances in the water through physical, chemical, and biological treatment processes. The treated wastewater fully meets the requirements of the Discharge Limits of Water Pollutants and the Wastewater Quality Standards for Discharge to Municipal Sewers.



In 2021, RELX did not have any environmental pollution or violation incidents.

Waste Gas Management



We comply with the Atmospheric Pollution Prevention and Control Law of the People's Republic of China and strictly control particulate matter and volatile organic compounds (VOCs) from laboratories, factory production, material storage, and transportation gas emission. For example, we collected the particulate matter and VOCs generated in e-liquid production in our factory workshops and treated them in the "filtration + secondary activated carbon adsorption device" before emission. The emitted gas fully meets the emission standards stipulated by the state.

Solid Waste Management

We manage the hazardous wastes generated in our self-owned factories and laboratories according to the Law of the People's Republic of China on the Prevention and Control of Environment Pollution Caused by Solid Wastes, the Soil Pollution Prevention and Control Law of the People's Republic of China, and other relevant laws and regulations. We classify, collect, and manage hazardous wastes according to the National Catalogue of Hazardous Wastes; entrust qualified treatment agencies with the transfer, transportation, disposal, and utilization of hazardous wastes; and file and regularly declare to the ecological environment department as required by regulations. In hazardous waste storage and management, we applied to the ecological environment department to set up storage rooms for hazardous waste.

We have developed management systems and registers according to state regulations. The hazardous waste storage rooms are equipped with sufficient labor protection and firefighting supplies to ensure safety for operators. For general solid wastes (mostly daily office waste and general industrial solid waste) generated in the production and office processes, we follow the 4R principles¹ to minimize waste discharge. For garbage that cannot be reused, we collect and classify it according to local regulations and transfer it to a qualified third party for treatment as required.

RELX 2021 Waste Discharge Data



Indicator	Unit	2021
Municipal solid waste generated ²	tonne	106.6
Municipal solid waste generation density	kg/1 million RMB of revenue	12.5
Hazardous waste generated ³	tonne	59.2
Hazardous waste generation density	kWh/1 million RMB of revenue	6.9

1. The 4R principles refer to Reduce, Reuse, Recycle, and Replace.
 2. The statistics of municipal solid waste include domestic waste and general industrial solid waste generated in the production and operation of Shenzhen Office, Beijing Office, Shanghai Office, and Fangxin Factory. The annual domestic waste generation in the office is estimated based on the average number of employees and the average waste generation per person per day of 0.5 kg/person/shift. The calculation formula is: Office waste generation (tonne) = Average number of employees in 2021 (person) * 0.5 kg/person/shift * Actual business days in 2021 (250 days)
 3. The statistics of hazardous wastes cover waste organic solvents and waste containing organic solvents, waste mineral oil and waste containing mineral oil, waste acid, and waste alkali generated in laboratories and self-owned factories.





Improve Employees' Awareness of Environmental Protection



The Product R&D Department's regular environmental protection training

We provide regular training on environmental protection to production and R&D departments to interpret the latest environmental protection policies and regulations and share theories and practices about green operations. Moreover, we organize practical events on environmental protection every year to enhance employees' ecological conservation awareness and encourage employees to practice corporate social responsibility and protect lucid waters and lush mountains.

★ CASE

RELX Shenzhen Office organizing a volunteering beach cleaning activity

In November 2021, we organized 63 volunteers from the Shenzhen Office to visit the coastline of Xiaoshashan, Shenzhen, to collect all kinds of garbage on the beach, including beverage bottles, food packages, and metal cans. Volunteers did their best to clean up 660 meters of coastline and picked up 2,547 pieces of marine debris, totaling 650.9 kg. In this activity, employees became aware of today's serious marine environmental problems and used practical actions to call on people not to litter, fulfilling our social responsibility for cleaning the city and maintaining a beautiful coastline.



The beach cleaning activity in Shenzhen